Water Management Coordination Team Report
Assets for End of Stage I

In-Delta Storage

Webb Tract and Bacon Island

1. Project Description

   240 TAF storage capacity
   11,000 acres of reservoir
   9,000 acres of habitat (Bouldin and Holland)

   Reference: Delta Wetlands DEIR/EIS, December 1995

2. Project Costs

   $779 million estimated capital costs
   $10 million estimated annual O&M costs
   $236 to $328 per acre-foot

   Reference: CALFED Storage and Conveyance Components, Facility Descriptions and Cost Estimates, October 1997

3. Timing

   DEIR/S completed December 1995, REIR/EIS in January 2000
   Water rights hearing held summer 1997, continued hearing in spring 2000
   2-3 year construction schedule

4. Project Benefits

   173-240 TAF of additional Delta exports per year
   Creation of 240 TAF of new in-Delta storage
   Potential salinity benefits from release of low salinity water
   Elimination of 92 unscreened ag diversions
   Elimination of 56 TAF of foregone ag discharges
   Creation of 9,000 acres of wetland and wildlife habitat (Bouldin and Holland)

   Reference: DNCT gaming EWA Game 1, Summer 1999
   Delta Wetlands DEIR/EIS, December 1995

5. Assumed Duration of Project Benefits

   Benefits are assumed to be permanent

6. Assumed Operational Restrictions

   4,000 cfs average monthly diversions
   4,000 cfs average monthly discharges
   Diversion restrictions October to March for fishery protection
   Diversion prohibitions April to May for fishery protection
   Discharge restrictions January to July for fishery protection
   Additional operational restrictions may be necessary to mitigate for water quality and seepage impacts

   Reference: FWS and NMFS biological opinions, May 1997
   DFG revised biological opinion August 1998

7. Impacts on Others

   Potential water quality impact on export TOC levels
   Potential seepage impacts to neighboring islands
   Potential salinity impacts if high salinity water is diverted to storage

8. [Major] Permits or Other Approvals Needed

   Water rights permit to divert and store surplus flows
   404 permit to construct levee improvements
   NMFS and DFG consultation for spring run chinook salmon

9. Procedure for Obtaining Permits and Other Approvals

   SWRCB issues water rights permit
   USACE issues 404 permits
   FWS, NMFS, and DFG issue biological opinions

10. Implementation Responsibility

    Delta Wetlands or project buyer

11. Necessary Cooperating Parties

    DWR and USBR for operations involving SWP and CVP facilities
    Fish and wildlife agencies to monitor the implementation of biological opinions

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Bacon Connected to Export Pumps

1. Project Description

   4,000 cfs pipeline connection from Bacon to CCFB
   Requires Bacon Island storage to be in place (see above)

2. Project Costs

   $218 million estimated capital costs (no new storage)
   $1 million estimated annual O&M costs
   $94 to $130 per acre-foot (in addition to Bacon storage costs, see above)

   Reference: CALFED Storage and Conveyance Components, Facility Descriptions and Cost Estimates, October 1997

3. Timing

   Feasibility and environmental studies could take 3 to 5 years
   2-3 year construction schedule

4. Project Benefits

   108-150 TAF of screened Delta exports per year

   Reference: DNCT gaming EWA Game 1, Summer 1999

5. Assumed Duration of Project Benefits

   Benefits are assumed to be permanent

6. Assumed Operational Restrictions

   4,000 cfs capacity

7. Impacts on Others

   Potential impact to landowners between Bacon and CCFB
   Potential impact to Santa Fe railroad
   Potential impact to HWY 4
   Potential impact to EBMUD aqueduct
   Potential impact to gas pipeline

8. [Major] Permits or Other Approvals Needed

   404 permit to pipeline

   Biological opinions for terrestrial and fishery species
   Streambed alteration permit for siphons under channels

9. Procedure for Obtaining Permits and Other Approvals

   USACE issues 404 permits
   FWS, NMFS, and DFG issue biological opinions

10. Implementation Responsibility

    Project proponent

11. Necessary Cooperating Parties

    DWR and USBR for operations involving SWP and CVP facilities
    Fish and wildlife agencies to monitor the implementation of biological opinions

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Woodward Island and Victoria Island

1. Project Description

   108 TAF storage capacity (EWA gaming assumed 80 TAF)
   8,300 acres of reservoir
   Assume 6,800 acres of habitat

   Reference: CALFED Storage and Conveyance Components, Facility Descriptions and Cost Estimates, October 1997

2. Project Costs

   $666 million estimated capital costs
   $7 million estimated annual O&M costs
   $483 to $670 per acre-foot

   Reference: CALFED Storage and Conveyance Components, Facility Descriptions and Cost Estimates, October 1997

3. Timing

   Feasibility and environmental studies could take 3 to 5 years
   Water rights hearing could be held in 2005
   2-3 year construction schedule

4. Project Benefits

   70-97 TAF of additional Delta exports per year
   Creation of 108 TAF of new in-Delta storage
   Potential salinity benefits from release of low salinity water
   Elimination of unscreened ag diversions
   Elimination of foregone ag discharges
   Creation of 6,800 acres of new wetland and wildlife habitat

   Reference: DNCT gaming EWA Game 2, Summer 1999

5. Assumed Duration of Project Benefits

   Benefits are assumed to be permanent

6. Assumed Operational Restrictions

   4,000 cfs average monthly diversions
   4,000 cfs average monthly discharges
   Diversion restrictions October to March for fishery protection

   Diversion prohibitions April to May for fishery protection
   No discharge restrictions, directly connected to CCFB

7. Impacts on Others

   Potential water quality impact on export TOC levels
   Potential seepage impacts to neighboring islands
   Potential salinity impacts if high salinity water is diverted to storage
   Potential impact to Caltrans HWY 4
   Potential impact to EBMUD aqueduct
   Potential impact to gas and WAPA power transmission lines
   Additional operational restrictions may be necessary to mitigate for water quality and seepage impacts

8. [Major] Permits or Other Approvals Needed

   Environmental evaluations (EIR/EIS)
   Water rights permit to divert and store surplus flows
   404 permit to construct levee improvements
   Biological opinions for all species
   Streambed alteration permit for siphons under channels

9. Procedure for Obtaining Permits and Other Approvals

   SWRCB issues water rights permit
   USACE issues 404 permits
   FWS, NMFS, and DFG issue biological opinions

10. Implementation Responsibility

    Project proponent

11. Necessary Cooperating Parties

    DWR and USBR for operations within SWP and CVP system
    Fishery and wildlife agencies to implement biological opinions
    Caltrans for HWY 4 impacts
    Gas and WAPA for power transmission impacts

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